

Abstract:

By means of a process for removing fine dust from a fluidized-bed reactor, in particular for the oxychlorination of ethylene, it is intended to permit specific control of the amount of fine dust particles in a reactor while reducing the height of the reactor and at the same time filtering off the fine dust from the main stream leading to the quench.

This is achieved if the fine dust inside the reactor is removed via filter cartridges, in particular sintered metal filter cartridges, and the reaction gas mixture is passed to the quench from the reactor dome, a part-stream in the form of a bypass stream having a predetermined fine dust fraction below a predetermined particle size being removed from the reactor in addition to the main stream.

Drawing to be published herewith: Fig. 1.